[X]

is attached hereto.

COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled Controller for Device-to-Device Pervasive Digital Output, the specification of which

			pplication NoAppl	 lication No, f	filed on
[] w				on (if applicab	
	nd was amen	ded on	(if applicable)).	,
[] wi	ith amendme	nts through	(if applicable	e).	
			lewed and understand the	ne contents of the above-io ent referred to above.	dentified
Title 37, Cod- conditions sp disclosed in t information a	le of Federal pecified in 35 the prior cope as defined in 3	Regulations, § U.S.C. § 120 v ending applicat 37 CFR § 1.56	1.56. If this is a continu which discloses and claid tion, I further acknowled	is material to patentability uation-in-part application firms subject matter in additinge the duty to disclose manthe filing date of the prion-part application.	led under the ion to that tterial
foreign applic designating a also identified application(s)	cation(s) for pat least one c d below any f) designating	patent or invent ountry other the foreign applicated at least one of	tor's certificate or of any an the United States of tion(s) for patent or inve ountry other than the Un	United States Code, § 119 PCT International applica America listed below and l ntor's certificate or any PC lited States of America file eation(s) on which priority i	ution(s) have CT International and by me on the
Pr	rior Foreign A	Application(s)		Priority Claimed	
<u>(N</u>	lumber)	(Country)	(Day/Month/Year Filed)	[] [] Yes No	
ا h provisional a	-		der Title 35, United State	es Code, § 119(e) of any U	Inited States
	60/245	5,101	Novemb	per 1, 2000	
	(Application	n No.)	(Filin	g Date)	

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or § 365(c) of any PCT International application(s) designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT International filing date of this application:

(Application No.)	(Filing Date)	- (Status: pater	nted, pending, at	pandoned)	
The undersigned here follow instructions from regarding this application without undersigned. In the event of a chattorney or agent named herein with the following international application connected therewith:	as to any action direct communicate nange in the persor will be so notified by bllowing attorney(s)	n to be taken in ion between th ns from whom i the undersign and/or agent(s	n the Patent and se U.S. attorney of instructions may sed.	Trademark Office or agent and the be taken, the U.S.	
Name	Dog No				
John R. Dawson	Reg. No.				
Douglas D. Hancock	39,504 35,889				
Patrick W. Hughey	31,169				
Mark M. Meininger	32,428				
Address all correspondence to USPTO CUSTOMER NUMBER 021034 21034					
Address all telephone calls to Mark M. Meininger at telephone number (503) 249-7066.					
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
Full name of first joint inventor: W	illiam Ho Chang				
Inventor's signature			-		
Residence: Vancouver, Washingt Citizenship: U.S.A. Post Office address: 16900 SE. 2		er WA 98683	Date		
Full name of second joint inventor: Christina Ying Liu					
Inventor's signature (0/31/6)					
Residence: Vancouver, Washington Citizenship: Peoples Republic of China Post Office address: 16900 SE. 26th Drive, Vancouver WA 98683					

Atty Docket No. 1282-003

COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled Controller for Device-to-Device Pervasive Digital Output, the specification of which

ΪĨ	was described and was ame	as A d and claimed in and as amende nded on	Application No. n PCT International Application d under PCT Article 19 o (if applicable) (if applicable	cation No n	(if applicat	filed on ole).
specification			riewed and understand the mended by any amendment			dentified
) acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56. If this is a continuation-in-part application filed under the conditions specified in 35 U.S.C. § 120 which discloses and claims subject matter in addition to that disclosed in the prior copending application, I further acknowledge the duty to disclose material information as defined in 37 CFR § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.						
I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or of any PCT International application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT International application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) on which priority is claimed:						
	Prior Foreign	Application(s)		Priority Cla	aimed	
	(Number)	(Country)	(Day/Month/Year Filed)	[] Yes	[] No	
I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:						
	<u>60/24</u> (Applicati	15,101 on No.)		oer 1, 2000 ng Date)		

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or § 365(c) of any PCT International application(s) designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT International filing date of this application:

Atty Docket No. 1282-003

(Application N	o.) (Filing Date)	(Status: paten	ited, pending, aba	andoned)	
The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned. I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application, to file a corresponding international application, and to transact all business in the Patent and Trademark Office connected therewith:					
Name	Reg. No.				
John R. Dawson	39,504				
Douglas D. Hancock	35,889				
Patrick W. Hughey	31,169				
Mark M. Meininger	32,428				
water with whethinger	JZ,420				
Address all correspor	idence to	*2	21034		
USPTO CUSTOMER N	UMBER 021034		.¥.		
Address all teleph	one calls to Mark M.	Meininger at tolo	phone number (F	:03\ 24D-7066	
- (44/000 4// 10/00)	iono odno to marcin,	menniger at tele	phone number (c	100) 240-7000.	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
Full name of first joint inventor. William Ho Chang					
Inventor's signature <u>Milliam Plans</u> <u>Oct. 31, 01</u> Date					
Residence: Vancouver, Washington					
Citizenship: U.S.A.					
Post Office address: 16900 SE. 26th Drive #94, Vancouver WA 98683					
Full name of second joint inventor: Christina Ying Liu					
Inventor's signature					
Docidenson Vanagaries 141-	-h:		Date		
Residence: Vancouver, Washington Citizenship: Peoples Republic of China					
Post Office address: 16900 SE. 26th Drive #94, Vancouver WA 98683					